

November 2018 - Dust Monitoring Register



Licensee: Laing O'Rourke Australia Construction Pty Ltd
 Premises: Woolgoolga to Ballina Pacific Highway Upgrade Project, Harwood NSW 2465
 Licence No: 20713

Air Monitoring for Solid Particles is conducted monthly - Units of measure: g/m2/month													
Contractor	Location	Exposure Period - Date on / Date off (DD/MM/YY)	Sample Number	Sample Name	Sample Comments	Sampling Days	Sample Volume (L)	Target Total Suspended Solids (g/m2/month)	Laboratory Results				
									Total Suspended Solids (g/m2/month) <4	Ash (g/m2/month)	Combustible Matter (g/m2/month)	Soluble Matter (g/m2/month)	Grand Total Solids (g/m2/month)
SWC	A	18/10/2018 - 19/11/2018	DDG2	H6115/1	org. matter	32	0.47	<4	1.8	1.3	0.6	0.2	2.0
SWC	A	18/10/2018 - 19/11/2018	DDG3	H6115/2	cloudy/org. matter	32	0.10	<4	2.6	1.1	1.5	0.4	3.0
SWC	A	18/10/2018 - 19/11/2018	DDG4	H6115/3	org. matter	32	0.20	<4	0.2	0.1	0.0	0.0	0.2
SWC	A	18/10/2018 - 19/11/2018	DDG5	H6115/4	cloudy/org. matter	32	0.22	<4	1.2	0.5	0.7	0.7	1.9
SWC	A	18/10/2018 - 19/11/2018	DDG6	H6115/5	cloudy/org. matter	32	0.24	<4	0.9	0.5	0.4	0.3	1.3
SWC	A	18/10/2018 - 19/11/2018	DDG7	H6115/6	cloudy/org. matter	32	0.30	<4	1.7	0.7	1.0	0.5	2.2
SWC	A	18/10/2018 - 19/11/2018	DDG8	H6115/7	org. matter	32	0.20	<4	0.2	0.2	0.0	0.0	0.2
SWC	A	18/10/2018 - 19/11/2018	DDG9	H6115/8	org. matter	32	0.40	<4	1.1	0.6	0.6	0.6	1.7
SWC	A	18/10/2018 - 19/11/2018	DDG10	H6115/9	org. matter	32	0.39	<4	0.3	0.3	0.0	0.1	0.4
SWC	A	18/10/2018 - 19/11/2018	DDG11	H6115/10	org. matter	32	0.15	<4	0.2	0.2	0.0	0.0	0.2
SWC	A	18/10/2018 - 19/11/2018	DDG12	H6115/11	..	32	0.33	<4	0.2	0.1	0.1	0.0	0.2
SWC	A	18/10/2018 - 19/11/2018	DDG13	H6115/12	org. matter	32	0.18	<4	1.4	0.6	0.8	0.3	1.7
SWC	A	18/10/2018 - 19/11/2018	DDG14	H6115/13	org. matter	32	0.29	<4	0.3	0.3	0.0	0.2	0.5
SWC	A	18/10/2018 - 19/11/2018	DDG15	H6115/14	insects	32	0.33	<4	0.4	0.3	0.0	0.0	0.4
SWC	A	18/10/2018 - 19/11/2018	DDG16	H6115/15	cloudy/org. matter	32	0.43	<4	0.6	0.4	0.2	1.1	1.7
SWC	A	18/10/2018 - 19/11/2018	DDG17	H6115/16	cloudy/org. matter	32	0.44	<4	1.6	0.7	0.9	0.1	1.7
SWC	A	18/10/2018 - 19/11/2018	DDG18	H6115/17	insects/org. matter	32	0.31	<4	1.7	0.8	0.9	0.4	2.1
SWC	A	18/10/2018 - 19/11/2018	DDG19	H6115/18	cloudy/org. matter	32	0.17	<4	1.6	0.9	0.7	0.0	1.6
SWC	A	18/10/2018 - 19/11/2018	DDG20	H6115/19	org. matter	32	0.36	<4	0.4	0.2	0.2	0.0	0.4
SWC	A	18/10/2018 - 19/11/2018	DDG21	H6115/20	org. matter	32	0.11	<4	0.8	0.6	0.2	0.0	0.8
SWC	A	18/10/2018 - 19/11/2018	DDG22	H6115/21	dry/0.2L Mill Q added	32	0.20	<4	0.1	0.0	0.1	0.0	0.1
SWC	A	18/10/2018 - 19/11/2018	DDG23	H6115/22	cloudy/insects	32	0.22	<4	2.1	0.8	1.3	0.4	2.6
SWC	A	18/10/2018 - 19/11/2018	DDG24	H6115/23	..	32	0.14	<4	0.8	0.6	0.2	0.0	0.8
SWC	A	18/10/2018 - 19/11/2018	DDG25	H6115/24	cloudy/org. matter	32	0.25	<4	1.1	0.4	0.7	0.6	1.7
SWC	A	18/10/2018 - 19/11/2018	DDG26	H6115/25	..	32	0.37	<4	0.5	0.3	0.2	0.0	0.5
SWC	A	18/10/2018 - 19/11/2018	DDG27	H6115/26	org. matter	32	0.36	<4	0.7	0.4	0.3	0.0	0.7
SWC	A	18/10/2018 - 19/11/2018	DDG28	H6115/27	org. matter	32	0.27	<4	0.6	0.3	0.2	0.0	0.6
SWC	A	18/10/2018 - 19/11/2018	DDG29	H6115/28	cloudy/org. matter	32	0.35	<4	2.4	0.9	2.0	1.5	4.4
SWC	A	18/10/2018 - 19/11/2018	DDG30	H6115/29	org. matter	32	0.36	<4	1.2	0.7	0.5	0.0	1.3
SWC	A	18/10/2018 - 19/11/2018	DDG31	H6115/30	org. matter	32	0.33	<4	0.6	0.2	0.3	0.0	0.6
SWC	A	18/10/2018 - 19/11/2018	DDG32	H6115/31	..	32	0.34	<4	1.1	0.7	0.4	0.0	1.1
SWC	A	18/10/2018 - 19/11/2018	DDG33	H6115/32	org. matter	32	0.32	<4	0.6	0.3	0.3	0.0	0.6
SWC	A	18/10/2018 - 19/11/2018	DDG34	H6115/33	cloudy/org. matter	32	0.37	<4	8.2	1.4	6.8	13.5	21.7
BGC	A S4	20/10/2018 - 20/11/2018	DDG 4-02	Tyndale		30		<4	1.6	0.3	1.3	0.6	2.2
BGC	A S4	20/10/2018 - 20/11/2018	DDG 4-03	Maloneys		30		<4	1.9	1.8	0.1	19.8	21.6
					BGC: Dust collection Jar Cloudy. Refer to attached DG04 Photo 3 & 4			<4	4.5	2.1	2.4	2.3	6.8
BGC	A S4	20/10/2018 - 20/11/2018	DDG 4-04	Byrons Lane		30		<4	3.6	1.1	2.5	0.9	4.5
BGC	A S4	20/10/2018 - 20/11/2018	DDG 4-05	Shark Creek		30		<4	3.6	1.0	2.6	1.4	5.1
BGC	A S4	20/10/2018 - 20/11/2018	DDG 4-06	Schwonberg Street		30		<4	3.6	1.0	2.6	1.4	5.1
					BGC: Funnel filled with bird droppings Refer to attached DG 07 Photo 1 and DG 07 Photo 2			<4	8.8	1.8	7.0	22.2	30.9
BGC	A S4	20/10/2018 - 20/11/2018	DDG 4-07	Clyde Essex Drive		30		<4	2.5	0.8	1.7	0.9	3.4
BGC	A S4	20/10/2018 - 20/11/2018	DDG 4-08	Causeys		30		<4	1.7	1.1	0.6	0.2	1.9
BGC	A S4	20/10/2018 - 20/11/2018	DDG 4-09	BP Lane		30		<4	1.8	1.0	0.7	0.3	2.1
BGC	A S4	20/10/2018 - 20/11/2018	DDG 4-10	Visitor Info Centre		30		<4	1.6	1.2	0.5	1.0	2.7
BGC	A S4	20/10/2018 - 20/11/2018	DDG 4-11	Motel		30		<4	1.4	0.8	0.6	0.2	1.7
BGC	A S4	20/10/2018 - 20/11/2018	DDG 4-12	M1 Norley - Byron		30		<4	0.7	0.4	0.3	0.2	0.9
BGC	A S4	20/10/2018 - 20/11/2018	DDG 4-13	Tyndale		30		<4	0.7	0.4	0.3	0.2	0.9
SEE Civil	B S5	24/10/2018 - 22/11/2018	DDG 5-02	Highland Ridge, Maclean	Gauge vandalised	29	N/A	<4	N/A	N/A	N/A	N/A	N/A
SEE Civil	B S5	24/10/2018 - 22/11/2018	DDG 5-03	132 Farlow's Lane, Maclean	org. matter, cloudy	29	0.04	<4	0.4	0.2	0.3	0.0	0.4
SEE Civil	B S5	24/10/2018 - 22/11/2018	DDG 5-04	Behind Fill 5-1 East	insects	29	0.39	<4	0.6	0.3	0.4	0.9	1.5
SEE Civil	B S5	24/10/2018 - 22/11/2018	DDG 5-05	Fill 5.4 South	org. matter, cloudy	29	0.30	<4	3.8	1.8	1.9	4.4	8.1
Pacific Complete	B S5	18/10/2018 - 16/11/2018	DDG 5-08	Serpentine Channel North	org. matter	28	0.23	<4	1.2	0.9	0.2	0.1	1.3

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										Ash (g/m2/month)	Combustible Matter (g/m2/month)	Soluble Matter (g/m2/month)	Grand Total Solids (g/m2/month)
Pacific Complete	B S5	18/10/2018 - 16/11/2018	DDG 5-09	Chatsworth South East	org. matter	28	0.26	<4	0.8	0.5	0.2	0.5	1.2
Pacific Complete	B S5	18/10/2018 - 16/11/2018	DDG 5-11	Fischers Lane - Control Gauge	..	29	0.30	<4	0.6	0.4	0.1	0.0	0.6
Pacific Complete	B S5	18/10/2018 - 16/11/2018	DDG 5-12	Fischers Lane	org. matter	29	0.50	<4	0.9	0.7	0.2	0.2	1.1
Pacific Complete	B S5	18/10/2018 - 16/11/2018	DDG 5-13	Mororo Bridge South West	..	29	0.26	<4	1.6	1.3	0.2	0.2	1.7
Pacific Complete	B S5	18/10/2018 - 16/11/2018	DDG 5-14	Garretts Lane West	org. matter	29	0.35	<4	1.0	0.7	0.2	0.0	1.0
Pacific Complete	B S5	18/10/2018 - 16/11/2018	DDG 5-15	Garretts Lane North	org. matter	29	0.31	<4	2.4	1.7	0.7	1.2	3.6
Pacific Complete	B S5	18/10/2018 - 16/11/2018	DDG 5-16	Iluka Road Compound	..	29	0.25	<4	0.6	0.5	0.1	0.1	0.7
Pacific Complete	B S5	18/10/2018 - 16/11/2018	DDG 5-17	Woombah Woods Caravan Park	org. matter	29	0.40	<4	0.6	0.4	0.2	0.0	0.6
Golding	B S5	22/10/2018 - 22/11/2018	DDG 5-07	1	not available at time of report			<4					
BMD	C S6	21/09/2018 - 22/10/2018	DDG15	Ellem Property	org. matter	31	3.56	<4	3.7	1.5	2.2	3.2	6.9
BMD	C S6	21/09/2018 - 22/10/2018	DDG16	McLaren Property	org. matter	31	3.50	<4	1.5	0.5	1.0	6.2	7.6
BMD	C S6	21/09/2018 - 22/10/2018	DDG17	De-Winton Property / Control	org. matter	31	4.21	<4	0.0	0.0	0.0	2.1	2.1
BMD	C S6	21/09/2018 - 22/10/2018	DDG18	Jacky Bulbin Road	some org. matter	31	3.95	<4	1.1	0.7	0.4	2.1	3.2
BMD	C S6	21/09/2018 - 22/10/2018	DDG19	Rainbow	some org. matter	31	3.93	<4	4.1	2.0	2.2	1.9	6.1
BMD	C S6	21/09/2018 - 22/10/2018	DDG20	Devils Pulpit		31	3.50	<4	3.6	2.2	1.4	1.8	5.4
CPB	C S 7 & 8	23/10/2018 - 22/11/2018			not available at time of report								
Lend/Lease	D S10	20/09/2018 - 20/10/2018	DDG 10-03	DDG 10-03	org. matter	29	3.20	<4	0.4	0.2	0.2	3.4	3.8
Lend/Lease	D S10	20/08/2018 - 20/09/2018	DDG 10-04	DDG 10-04	ants	29	3.43	<4	0.5	0.1	0.4	5.0	5.5
Lend/Lease	D S10	20/08/2018 - 20/09/2018	DDG 10-05	DDG 10-05		29	3.72	<4	1.1	1.0	0.1	3.5	4.6
Lend/Lease	D S10	20/08/2018 - 20/09/2018	DDG 10-06	DDG 10-06		29	3.25	<4	1.2	1.1	0.1	4.0	5.2
Lend/Lease	D S10	20/08/2018 - 20/09/2018	DDG 10-07	DDG 10-07	org. matter	29	3.60	<4	0.1	0.1	0.0	3.9	4.0
							3.68	<4	22.2	16.8	5.4	16.2	38.4
Lend/Lease	D S10	20/08/2018 - 20/09/2018	DDG 10-08	DDG 10-08	cloudy/org. matter	29							
Lend/Lease	D S10	20/08/2018 - 20/09/2018	DDG 10-09	DDG 10-09	ants	29	3.55	<4	<0.1	0.0	0.0	3.8	3.8
Lend/Lease	D S10	20/08/2018 - 20/09/2018	DDG 10-10	DDG 10-10		29	3.48	<4	<0.1	0.0	0.0	3.7	3.7
Lend/Lease	D S10	20/08/2018 - 20/09/2018	DDG 10-11	DDG 10-11		29	3.00	<4	0.4	0.2	0.1	3.4	3.4
Lend/Lease	D S10	20/08/2018 - 20/09/2018	DDG 10-12	DDG 10-12		29	3.36	<4	0.2	0.0	0.2	3.3	3.5
Lend/Lease	D S11	20/08/2018 - 20/09/2018	DDG 11-01	DDG 11-01		29	3.20	<4	0.3	0.2	0.2	3.2	3.6
Lend/Lease	D S11	20/08/2018 - 20/09/2018	DDG 11-02	DDG 11-02		29	2.94	<4	1.5	1.1	0.4	3.2	4.8
							3.45	<4	6.3	4.1	2.2	4.9	11.3
Lend/Lease	D S11	20/08/2018 - 20/09/2018	DDG 11-03	DDG 11-03	org. matter	29							
Lend/Lease	D S11	20/08/2018 - 20/09/2018	DDG 11-04	DDG 11-04 (Control)	ants	29	4.00	<4	7.5	0.9	6.6	15.4	22.9
Quickway	D S10	19/09/2018 - 18/10/2018	DDG 10-13	H5993/1	Below average rainfall during sample period. Insects present in sample jar. Extensive construction works being undertaken.	29	0.41	<4	1.5	1.2	0.3	0.3	1.8
Quickway	D S10	19/09/2018 - 18/10/2018	DDG 10-14	H5993/2	Below average rainfall during sample period. Insects present in sample jar. Extensive construction works being undertaken.	29	0.31	<4	1.1	0.9	0.2	0.2	1.2
Quickway	D S10	19/09/2018 - 18/10/2018	DDG 10-15	H5993/3	Below average rainfall during sample period. Leaf litter and small insects present. Sample water milky brown colour. Bird faeces present in funnel. Extensive construction works being undertaken.	29	0.30	<4	11.2	4.5	6.7	14.2	25.4

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										Ash (g/m2/month)	Combustible Matter (g/m2/month)	Soluble Matter (g/m2/month)	Grand Total Solids (g/m2/month)
					below average rain during sample period. Leaf litter and insects present. Extensive construction works being undertaken.		0.22	<4	1.1	0.9	0.2	0.0	1.1
Quickway	D S10	19/09/2018 - 18/10/2018	DDG 10-16	H5993/4		29							
AFHJV	E Harwood Bridge	08/10/2018 - 08/11/2018	DDG1			31	-	4	1.1	0.7	0.4	2.2	3.3
AFHJV	E Harwood Bridge	08/10/2018 - 08/11/2018	DDG2			31	-	4	1.6	1.2	0.4	1.9	3.5
AFHJV	E Harwood Bridge	08/10/2018 - 08/11/2018	DDG3			31	-	4	0.8	0.7	0.1	1.7	2.5
							-	4	5.1	4.0	1.2	4.3	9.5
AFHJV	E Harwood Bridge	08/10/2018 - 08/11/2018	DDG4			31	-	4	2.2	1.0	1.3	3.7	5.9
AFHJV	E Harwood Bridge	08/10/2018 - 08/11/2018	DDG5			31	-	4	1.5	0.9	0.6	3.4	4.9
LendLease	F RRB	20/9/2018 - 19/10/2018	DDG 10 - 02	RRB - S		29	3.00	<4	0.4	0.2	0.2	3.4	3.8
LendLease	F RRB	20/9/2018 - 19/10/2018	DDG 10 - 03	RRB - N		29	3.20	<4	0.3	0.2	0.1	3.1	3.4
LendLease	F RRB	20/9/2018 - 19/10/2018	DDG 10 - 01	RRB - C		29	3.00	<4	0.1	0.0	0.1	2.6	2.7
Georgiou	G	5/10/2018 to 5/11/2018	DDG 11 - 05	Control		31	3.32	<4	0.8	0.4	0.4	2.4	3.2
Georgiou	G	5/10/2018 to 5/11/2018	DDG 11 - 06	Stn Pac Hwy		31	3.00	<4	2.4	0.9	1.5	4.4	6.7
Georgiou	G	5/10/2018 to 5/11/2018	DDG 11 - 07	North Smith Drive		31	2.53	<4	2.4	0.9	1.5	4.4	6.7
Pacific Complete	B S5	16/11/2018	DDG 5-06	Watts Lane	- Gauge re-installed in new location on 16/11/18 - Monitoring results will be provided next month.	N/A	N/A	<4	N/A	N/A	N/A	N/A	N/A
Pacific Complete	B S5	16/11/2018	DDG 5-10	Chatsworth Village	- Gauge installed on 16/11/18 - Monitoring results will be provided next month.	N/A	N/A	<4	N/A	N/A	N/A	N/A	N/A